TECHNICAL INFORMATION

Polidan® T Series

PEX

crosslinkable compounds for extrusion and injection molding applications

padanaplast®
EXCELLENCE IN COMPOUNDING

Polidan® T series is a family of silane crosslinkable polyethylene compounds curable by addition of a catalyst masterbatch and exposure to moisture (Sioplas® method). Polidan® T series offers a wide range of grades for different applications including metal replacement in piping and items used in pressurized hot and cold water plumbing system, service lines and hydronic system for radiant heating.
Polidan® T series compounds are approved for contact with drinking water from the main certification bodies.

grade	density (g/cm^3)	MFI at 190°C 2.16 kg (g/10')	MFI at 190°C 5.0 kg (g/10')	ISO 9080 MRS class (MPa)	applications: Fitting bodies	Sanitary pipes	Underfloor heating pipes	Industrial pipes	Flexible hoses	Injection molded items	DVGW KTW/a	DVGW W270	NSF 14	NSF 61	WRAS	description
Polidan® PNT0856/35	0.876	0.4	1.5	-					■		■	■				Ambient curing cross-linkable PO with enhanced flexibility. For extrusion or injection molding purpose of very flexible items or flexible sealing parts that have to comply to stringent potable water contact requirements.
Polidan® PNT0553/23	0.900	0.4	-	-					■		■	■				Ambient curing cross linkable PE with high flexibility. It is used in flexible hoses, composite flexible pipes and multilayer fiber reinforced pipe design that have to comply to stringent potable water contact requirements.
Polidan® PNT0555/06	0.940	1.6	-	-			■									High-density, cross-linkable PE compound for flexible all-plastic pipes especially designed for underfloor heating system or flexible hoses with enhanced pressure resistance
Polidan® T/A HF	0.942	0.5	1.7	8		■	■	■		■	■	■	■	■		High-density, cross-linkable PE compound for flexible and smooth-surface pipes in sanitary and heating environments. Also adapt for contact with alcohols and fuel as well as for injection molding of very smooth item
Polidan® T/A	0.948	-	0.5	10		■		■				■	■	■		High-density, cross-linkable PE compound for composite/multilayer sanitary and heating pipes, enabling high extrusion consistency even with low wall thicknesses or big outer diameter
Polidan® T/A SP	0.949	0.6	2.4	10		■					■	■		■		Cross linkable PE compound. It is used for flexible pipes enabling high extrusion consistency together with high coating properties in multilayer pipes.
Polidan® T/A LV	0.955	1.2	5.5	-		■										Cross linkable PE compound. It is used for multilayer pipes with higher burst pressure resistance as well as enhanced thermal and mechanical properties.
Polidan® SI/20	0.956	2.8	9.5	12.5	■					■	■	■		■	■	High-density, cross-linkable PE compound for injection molding components that have high thermal, chemical and abrasion resistance.

Verify commercial availability and registration status in each country with local sales representative

Safety Data Sheets (SDS) are available by emailing us or contacting your sales representative. Always consult the appropriate SDS before using any of our products.

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