

FORMULA P ELAN XP 416

Polypropylene + Styrenic

Putsch Kunststoffe GmbH

Message:

PP/PS-Blend. This material has very good scratch-resistance. This type has the same shrinkage like PP T 20 with a 10% lower density. Low warpage and no wear on mold surface.

General Information	
Features	Low warpage
	Scratch resistance
	Good wear resistance

Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage	1.1 - 1.3	%	Internal method

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	22.0	MPa	ISO 527-2
Fracture	16.0	MPa	ISO 527-2
Tensile Strain (Break)	35	%	ISO 527-2
Flexural Modulus	1400	MPa	ISO 178
Flexural Stress (3.5% Strain)	42.0	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180
-20°C	2.5	kJ/m²	ISO 180
23°C	10	kJ/m²	ISO 180

Aging	Nominal Value	Unit	
Heat Aging (150°C)	16.7	day	

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	70.0	°C	ISO 306/B

Additional Information	
Tensile Strength, ISO 527: 22 MPa	

Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	230 - 250	°C	
Mold Temperature	20.0 - 40.0	°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

