Wanthane® WHT-2190

Thermoplastic Polyurethane Elastomer (Polycaprolactone)

Wanhua Chemical Group Co., Ltd.

Message:

WHT-2190 is polycaprolactone-based TPU for injection molding applications, supplied in form of transparent, translucent, colorless or slightly yellowish pellets with Excellent strength and abrasion resistance
Applications:
High Quality Shoulder belt, seals, Gaskets, Wheels, and Castors

General Information	
Features	Good Abrasion Resistance Good Strength
Uses	Gaskets Seals Wheels
Appearance	Colorless Translucent Transparent - Slight Yellow
Forms	Pellets
Processing Method	Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm³	ASTM D792
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	90		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ASTM D412
100% Strain	8.00	MPa	
300% Strain	14.0	MPa	
Tensile Strength	29.0	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Tear Strength	120	kN/m	ASTM D624
Thermal	**Nominal Value**	**Unit**	**Test Method**
Glass Transition Temperature	-40.0	°C	ASTM D3417
Injection	**Nominal Value**	**Unit**	
Drying Temperature	90.0 to 100	°C	
Drying Time	4.0 to 6.0	hr	

Rear Temperature	195	°C
Middle Temperature	200	°C
Front Temperature	205	°C
Nozzle Temperature	210	°C
Injection Pressure	65.0	MPa

Extrusion	Nominal Value	Unit
Drying Temperature	90.0 to 100	°C
Drying Time	4.0 to 6.0	hr
Cylinder Zone 1 Temp.	190	°C
Cylinder Zone 3 Temp.	200	°C
Cylinder Zone 5 Temp.	205	°C
Die Temperature	200	°C

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

WECHAT