

TEREZ PPA 7500 TF 20

Polyphthalamide
TER HELL PLASTIC GMBH

Message:
Medium-viscosity partly aromatic Polyamid with 20% PTFE chemically coupled
For all kind of application at superior thermal stability with less moisture absorption

General Information			
Additive	PTFE Lubricant (20%)		
Features	Aromatic		
	Chemically Coupled		
	Good Thermal Stability		
	Low Moisture Absorption		
	Medium Viscosity		
Physical	Nominal Value	Unit	Test Method
Density	1.26	g/cm³	ISO 1183
Water Absorption			ISO 62
Saturation, 23°C	5.2	%	
Equilibrium, 23°C, 50% RH	1.3	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3200	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	95.0	MPa	
Break	90.0	MPa	
Tensile Strain			ISO 527-2
Yield	3.0	%	
Break	15	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	150	°C	ISO 75-2/B
1.8 MPa, Unannealed	100	°C	ISO 75-2/A
Melting Temperature ¹	295	°C	ISO 11357-3
Flammability	Nominal Value		Test Method
Flammability Classification (1.60 mm)	HB		IEC 60695-11-10, -20
NOTE			
1.	10°C/min		

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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

