



Technical Data Sheet

Phoenipyre® P2150 TL20

20% Talc Reinforced Polypropylene (PP) Copolymer – Flame Retardant

Date: January, 2008

General

Features	Self extinguishing flame retardancy Excellent chemical resistance Good impact resistance
Appearance	Off white or pigmented Pellets
Processes	Injection molding

Typical Compound Properties^(a)

Physical	Nominal Values		Test Methods ^(b)
	English Units	Metric Units	
Melt Flow Rate	20.0 g/10 min.	20.0 dg/min.	ASTM D1238, 2160 g. @ 230°C
Melt Point	327 °F	164 °C	ASTM D789
Specific Gravity	1.18	1.18	ASTM D792
Linear Mold Shrinkage	0.009 in/in	0.009 mm/mm	ASTM D955
Hardness, Rockwell Scale	R75	R75	ASTM D785
Coefficient of Linear Thermal Expansion	3.30 x 10 ⁻⁵ in/in °F	5.94 x 10 ⁻⁵ cm/cm °C	ASTM D696
Reinforcement Content	28±2%	28±2%	ASTM D2584
Flammability	Self Extinguishing	Self Extinguishing	SAE J369

Mechanical

Notched Izod Impact @ 73 °F (23 °C)	1.4 ft-lb/in.	74.7 J/m	ASTM D256
Tensile Strength @ Yield	2,800 psi	19.3 MPa	ASTM D638
Elongation @ Break	15%	15%	ASTM D638
Flexural Modulus, tangent	180,000 psi	1,241 MPa	ASTM D790
Heat Deflection Temperature			
@ 66 psi (0.455 MPa)	200 °F	93 °C	ASTM D648
@ 264 psi (1.82 MPa)	140 °F	60 °C	ASTM D648

(a) Values shown represent nominal averages and are not to be construed as product specifications.

(b) ASTM methods are the latest under the Society's current Procedures. All Molded specimens are prepared by injection molding.

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