

Technical Data Sheet

Polyflam 15S3302DG6159GRY

Polypropylene Copolymer

Product Description

15S3302 is a 30% Fiberglass Reinforced, Flame Retardant Polypropylene Copolymer

Forms	Pellets
Appearance	Colors Available
Additive	Flame Retardant
Filler/Reinforcement	Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	4.0	g/10 min	ASTM D1238
Density - Specific Gravity	1.47	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	79.3	MPa	ASTM D638
Flexural Modulus, (Tangent)	6890	MPa	ASTM D790
Impact			
Notched Izod Impact	110	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	146	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	157	°C	ASTM D648
RTI Str			
(1.5 mm)	110	°C	UL 746B
(3.0 mm)	120	°C	UL 746B
UL Information			
Flame Rating			
(1.5 mm)	V-0		UL 94
(3.0 mm)	5VA		UL 94
UL File Number	E51193		

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	82	°C
Nozzle Temperature	177 to 227	°C
Screw Speed	20 to 60	rpm
Processing (Melt) Temp	177 to 227	°C
Front Temperature	177 to 227	°C
Middle Temperature	177 to 227	°C
Rear Temperature	177 to 204	°C
Injection Rate	Moderate	
Back Pressure	<0.689	MPa
Mold Temperature	32 to 66	°C
Cushion	6.35 to 12.7	mm