

Retpol® 9015 HSY

Polypropylene Homopolymer

PolyPacific Pty. Ltd.

Message:

Retpol 9015 HSY is a high flow, flame retardant polypropylene homopolymer compound. It has been developed to meet the requirements of the UL 94 V0 rating and the ASNZS 60695.2.12 960°C glow wire rating, whilst providing moderate impact strength and good rigidity. The flame retardant system is based on halogenated hydrocarbon compounds with an antimony trioxide synergist. It is a highly heat stabilized compound.

General Information			
Additive	Flame Retardant		
	Heat Stabilizer		
Features	Flame Retardant		
	Halogenated		
	Heat Stabilized		
	Homopolymer		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.3 to 1.8	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	32.0	MPa	ASTM D638
Tensile Elongation ² (Break)	100	%	ASTM D638
Flexural Modulus	1500	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	20	J/m	ASTM D256
Unnotched Izod Impact	600	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	88.0	°C	ASTM D648
CLTE - Flow	9.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flame Rating	UL 94		
1.60 mm	V-0		
3.00 mm	V-0		
Glow Wire Flammability Index (3.00 mm)	960	°C	AS/NZS 60695.2.12
Injection	Nominal Value	Unit	

Drying Temperature	90.0 to 110	°C
Drying Time	2.0 to 4.0	hr
Suggested Max Regrind	5	%
Processing (Melt) Temp	180 to 225	°C
Mold Temperature	20.0 to 60.0	°C
Injection Rate	Moderate-Fast	

NOTE

1. 50 mm/min
2. 50 mm/min

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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

