NORYL™ RESIN PPO534

REGION ASIA

DESCRIPTION

NORYL™ PPO534 resin is a non-reinforced blend of polyphenylene ether (PPE) + high impact polystyrene (HIPS). This high heat injection moldable grade exhibits high impact strength, dimensional stability, hydrolytic stability, and very low moisture absorption. This material is an excellent candidate for compounding applications.

TYPICAL PROPERTY VALUES

Revision 20190904

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield	72	MPa	SABIC - Japan Method
Tensile Strain, break	55	%	SABIC - Japan Method
Flexural Stress	104	MPa	ASTM D 790
Flexural Modulus	2590	MPa	ASTM D 790
Hardness, Rockwell R	123	-	ASTM D 785
IMPACT			
Izod Impact, notched, 23°C	137	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 6.4 mm, unannealed	160	°C	ASTM D 648
CTE, -30°C to 30°C	5.00E-05	1/°C	TMA
PHYSICAL			
Specific Gravity	1.08	-	ASTM D 792
Water Absorption, 24 hours	0.03	%	ASTM D 570
Mold Shrinkage, flow, 3.2 mm	0.6 – 0.8	%	SABIC method
ELECTRICAL			
Surface Resistivity	1.E+16	Ohm	ASTM D 257
Relative Permittivity, 50/60 Hz	2.58	-	ASTM D 150
FLAME CHARACTERISTICS			
UL Recognized, 94V-1 Flame Class Rating	1.5	mm	UL 94

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