NORYL™ RESIN TPN9221

REGION ASIA

DESCRIPTION

NORYL™ TPN9221 resin is a non-reinforced blend of polyphenylene ether (PPE) + high impact polystyrene (HIPS). This transparent, injection moldable grade contains non-brominated, non-chlorinated flame retardant and carries a UL94 flame rating of V2 at 1.5mm. NORYL TPN9221 resin exhibits good dimensional stabilty, low moisture absorption, low speific gravity and is an excellent candidate for printer and copier components.

TYPICAL PROPERTY VALUES

Revision 20191031

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield	66	MPa	SABIC - Japan Method
Tensile Strain, break	15	%	SABIC - Japan Method
Flexural Stress	73	MPa	ASTM D 790
Flexural Modulus	2200	MPa	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	49	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 6.4 mm, unannealed	90	°C	ASTM D 648
CTE, -30°C to 30°C	7.00E-05	1/°C	TMA
PHYSICAL			
Specific Gravity	1.08	-	ASTM D 792
Water Absorption, 24 hours	0.07	%	ASTM D 570
Mold Shrinkage, flow, 3.2 mm	0.5 – 0.7	%	SABIC method
FLAME CHARACTERISTICS (1)			
UL Yellow Card Link	E207780-228598	-	-
UL Yellow Card Link 2	E45587-237113	-	-
UL Recognized, 94V-2 Flame Class Rating	≥1.5	mm	UL 94

(1) UL Ratings shown on the technical datasheet might not cover the full range of thicknesses and colors. For details, please see the UL Yellow Card.

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