Polyflam RIPP 600E-01 NATURAL

LyondellBasell Industries - Polypropylene

General Information	
Product Description	
Copolymer-polypro FR compound	
General	
Additive	• Flame Retardant
Features	• Flame Retardant
Processing Method	• Injection Molding

Properties [1]			
Physical	**Nominal Value**	**Unit**	**Test Method**
Density / Specific Gravity	1.05		ASTM D792
Melt Mass-Flow Rate (MFR) [2] (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [3] (Yield)	1890	psi	ASTM D638
Tensile Strength [3] (Break)	2470	psi	ASTM D638
Tensile Elongation [3] (Yield)	14	%	ASTM D638
Tensile Elongation [3] (Break)	550	%	ASTM D638
Flexural Modulus	139000	psi	ASTM D790
Flexural Strength (Yield)	2760	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F)	13	ft·lb/in	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	54		ISO 2039-2
Durometer Hardness (Shore A)	94		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	181	°F	ASTM D648
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed	122	°F	
Aging	**Nominal Value**	**Unit**	**Test Method**
Change in Ultimate Elongation in Air (212°F, 240 hr)	85	%	ASTM D573
Change in Tensile Strength (212°F, 240 hr)	110	%	ASTM D471
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	> 1.0E+14	ohms	ASTM D257
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (0.06 to 0.12 in)	V-0		UL 94

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] Procedure A

[3] 2.0 in/min