

# Polyflam RHD 200 D GRY

LyondellBasell Industries - Polyethylene

## General Information

### Product Description

Flame retardant PE-HD compound (UL 94 V-2) without PBDE

### General

Additive	• Flame Retardant
Features	• Flame Retardant
Processing Method	• Injection Molding

## Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm <sup>3</sup>	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	9.0	cm <sup>3</sup> /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	203000	psi	ISO 527-1/1A/1
Tensile Stress (Yield)	3920	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	11	%	ISO 527-2/1A/50
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	167	°F	ISO 75-2/Bf
Deflection Temperature Under Load 264 psi, Unannealed	113	°F	ISO 75-2/Af
Vicat Softening Temperature	248	°F	ISO 306/A120
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	ohms·cm	IEC 60093
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flammability Classification			IEC 60695-11-10, -20
0.06 in		V-2	
0.12 in		V-2	
Glow Wire Flammability Index			IEC 60695-2-12
0.06 in	1760	°F	
0.12 in	1760	°F	
Oxygen Index	35	%	ISO 4589-2