

Technical Data Sheet

Polyflam RCP 505C 01



Low Density Polyethylene

Product Description

A flame retardant concentrate based in low density polyethylene that features good dispersion, excellent processing stability up to 450 degrees F, and superior UV stability. RCP 770C is recommended for use in low, linear, and high-density polyethylene. It can be used with equal success in extrusion, blow molding, injection molding, structural foam, and film applications. RCP 770C also offers good heat sealing and printing performance in polyethylene film applications. When RCP 770C is let down at 8% in LDPE, a 4-8 mil film will meet flammability criteria according to BFD IX-1 and NFPA 701.

Regulatory Status

For regulatory compliance information, see *Polyflam* RCP 505C 01 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Pending Approval
Availability	North America
Processing Method	Blow Molding; Cast Film; Extrusion; Injection Molding; Structural Foam Molding
Additive	Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate	4.0 to 8.0	g/10 min	ASTM D1238
Density - Specific Gravity	1.6	g/cm ³	ASTM D792

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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