TECHNICAL DATA SHEET

PolyLink FT-834BK-ER

Hexene Co-polymer Based Linear Low Density Polyethylene Powder

PRODUCT DESCRIPTION

PolyLink FT-834BK-ER polyethylene resin is a hexene co-polymer based Linear Low-Density Polyethylene designed for Diesel Fuel Tanks. This are UV8 resistance which provide excellent stiffness and good balance between impact strength and environmental stress cracking resistance. FT-834BK-ER is available in black colour.

PROPERTY	TEST METHOD [1]	UNIT	TYPICAL VALUE [2]
Density	ASTM D 1505	g/cm^3	0.938
Melt Flow Index (MFI) [3]	ASTM D 1238	g/10 min	4.0
Tensile Strength Yield	ASTM D 638	MPa	20
Elongation at Break	ASTM D 638	%	950
Flexural Modulus [5]	ASTM D 790	MPa	750
Impact Strength (4.0 mm) [6]	ARM	ft.lbs	110
ESCR F_{50} [7] (100% IGEPAL)	ASTM D 1693	h (F50)	>500

DENSITY	0.938
MELT INDEX	4.0

KEY FEATURES

Good ESCR
Good balance between impact strength and stiffness
Easy Processing
Base resin approved by TÜV for use in Diesel Fuel Tanks

TYPICAL APPLICATONS

Diesel Fuel Tanks
Outdoor Storage Container
Chemical Tanks

[1] *Properties designated have been determined using methods which are in accordance with the specified testing standards.*
[2] *Typical Values represent average laboratory values for the base resin and are intended as guides only, not as specifications.*
[3] *Condition 190°C/2.16 kg.*
[4] *ASTM Type 1, 50 mm per minute test speed, 4.0 mm thickness rotomoulded samples.*
[5] *2% Secant using rotomoulded samples. (SPEED?)*
[6] *-40°C on rotomoulded samples.*
[7] *Condition A, 50°C, F50 values using rotomoulded specimens.*

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