

# Appeel® 45D747

Polyolefin

DuPont Packaging & Industrial Polymers

## Message:

Appeel® 45D747 is a modified polyolefin resin designed to provide easy peel functionality from ethylene copolymers. Appeel® 45D747 is available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyethylene resins.

General Information	
Features	Compliance of Food Exposure
Agency Ratings	FDA 21 CFR 177.1520
Forms	Particle
Processing Method	Co-extrusion molding Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.914	g/cm³	ASTM D792, ISO 1183

Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.2	g/10 min	ASTM D1238, ISO 1133
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Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	95.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	112	°C	ASTM D3417, ISO 3146

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	180	°C
Cylinder Zone 2 Temp.	210	°C
Cylinder Zone 3 Temp.	260	°C
Cylinder Zone 4 Temp.	285	°C
Cylinder Zone 5 Temp.	285	°C
Adapter Temperature	285	°C
Melt Temperature	260 - 305	°C
Die Temperature	285	°C

Extrusion instructions
Blown Film Processing Information:Melt Temperature: 170 C - 195C (338 F - 383 F)Feed Zone: 140°C (284°F)Second Zone: 150°C (302°F)Third Zone: 170°C (338°F)Fourth Zone: 195°C (383°F)Fifth Zone: 195°C (383°F)Adapter Zone: 195°C (383°F)Die Zone: 195°C (383°F)

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