

# Appeel® 22D843

Ethylene Acrylate Copolymer  
DuPont Packaging & Industrial Polymers

Message:

DuPont™ Appeel® 22D843 is a polypropylene modified ethylene acrylate resin designed to function as a masterbatch to achieve peelability in polypropylene based sealant layers.

It provides peelable seals over a broad temperature range. The peel layers will sustain sterilization conditions of 121°C for 20 minutes through 134°C for 6 minutes depending on the base of the PP seal materials.

When blending for this type of application, 22D843 should be evaluated as a modifier for HoPP or CoPP by addition rates between 20% to 40% by weight. Blends with CoPP will usually provide better results.

Appeel® 22D843 is available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyethylene resins.

General Information	
Features	Good Heat Seal
Uses	Blending
	Masterbatch
Agency Ratings	FDA 21 CFR 177.1340
Forms	Pellets
Processing Method	Coextrusion
	Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.937	g/cm <sup>3</sup>	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)			ASTM D1238, ISO 1133
190°C/2.16 kg	2.6	g/10 min	
230°C/2.16 kg	6.4	g/10 min	
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	136	°C	ASTM D3418, ISO 3146
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	140	°C	
Cylinder Zone 2 Temp.	150	°C	
Cylinder Zone 3 Temp.	160	°C	
Cylinder Zone 4 Temp.	180	°C	
Cylinder Zone 5 Temp.	180	°C	
Adapter Temperature	180	°C	
Melt Temperature	160 to 185	°C	
Die Temperature	170	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

