

# SLUSH MOLDING

## INNOVATIVE SOLUTIONS FOR THE PRODUCTION OF AUTOMOTIVE INTERIOR SOFT SKINS



Kraton has developed a slush moldable technology solution in response to the demands of the automotive industry. It addresses key end-use requirements as a lightweight, environmentally sustainable solution with improved aging properties. In addition, Kraton's slush molded technology enables soft touch interior applications using current processing assets.

Utilization of the latest Kraton TPE technologies and product support from the Kraton technical team have developed a new generation slush product with many enhanced features and benefits over incumbent technologies. Key benefits include lower density properties that satisfy key OEM lightweighting initiatives, the ability to run in existing slush processes without the need for additional tooling and long term ageing advantages that result in safe airbag deployment performance over the life of the vehicle.

Slush molding enables features that are consistent with current automotive interior design practices and is preferred over IMG Thermoforming and Sprayed Polyurethane (PU). This production process allows manufacturers and OEMs a greater design freedom and is used to produce a variety of automotive interior components such as:

- Instrument Panels
- Door Trim
- Consoles
- Airbag Covers

### FEATURES

- Lower density than incumbent materials
- Phthalate free and low plasticizer content
- Superior abrasion resistance / durability
- Cold temperature flexibility
- Low fogging and improved VOC performance
- Enables soft touch haptics
- Design freedom by slush molded process
- Utilizes existing slush and foaming resources

### BENEFITS

- Enables vehicle weight saving
- Improved aging performance
- Meets OEM performance specification without the need for painting of the class "A" surface
- Safer airbag deployment
- Improved interior air quality
- Improved perceived quality
- Enables skin designs with tight radii and aggressive undercuts
- No additional capital investment needed



	PU Spray	IMG	PVC Slush	TPU Slush	TPE Slush
Skin Weight	+	+	-	-	+
Design Freedom	0	-	+	+	+
Aging Performance	+	+	-	0	+
UV Resistance	-	+	+	-	+
Cold Temperature Impact	+	+	0	+	+
VOC Performance	0	+	0	+	+

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